

# CITY OF KEY WEST CIP PROJECT DETAIL

**Project No:** SE1002  
**Project Name:** FLEMING KEY PIPE BRIDGE REPAIR  
**Location:** FLEMING KEY PIPE BRIDGE/WWTP  
**Department:** SEWER  
**Account No:** 401-3503-535-65-00

**Date:** 03/28/14  
**Contract:** J GEWIN  
**Project Start:** 01/01/09  
**Project Complete:** 09/30/14  
**Project Estimate:** \$ 370,000  
**Project Funding to Date:** \$ 370,000  
**Anticipate Carry Forward FY:** 2015  
**Yes/No:** YES

## Project Description/Justification:

Structural repair to the Fleming Key Pipe Bridge. Project postponed from FY 09/10.

## Reasons for Modification:

Upon analysis, only one piling is in need of repair

## Operating Impact

## Related Projects:

## Project Phase Summary

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design	85,426						
Construction	284,574						
<b>Total</b>	<b>\$ 370,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 370,000</b>

## Funding Source Summary

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Fund	\$ 65,778						
Navy Share	\$ 19,648						
State Grant		\$ 284,574					
<b>Total</b>	<b>\$ 85,426</b>	<b>\$ 284,574</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 370,000</b>

Carry Forward \_\_\_\_\_

# CITY OF KEY WEST CIP PROJECT DETAIL

**Project No:** SE1101  
**Project Name:** CAPACITY EXPANSION = PUMP STATION F  
**Location:** GLYNN ARCHER DRIVE  
**Department:** SEWER  
**Account No:** 401-3503-535-65-00

**Date:** 03/28/14  
**Contract:** J GEWIN  
**Project Start:** 10/01/09  
**Project Complete:** 09/30/15  
**Project Estimate:** \$ 2,570,610  
**Project Funding to Date:** \$ 2,049,745  
**Anticipate Carry Forward FY:** 2015  
**Yes/No:** YES

## Project Description/Justification:

Increase size of force main down Glynn Archer Dr. between Pump Station F at Flagler Ave. and North Roosevelt. Increase pump station capacity by upsizing pumps and generator.

## Reasons for Modification:

Revised based on schedule from North Roosevelt Project. Increased cost 3% for CPI

## Operating Impact

## Related Projects:

### Project Phase Summary

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design	202,151						
Construction	1,817,594	411,591					
CEI	30,000	109,274					
<b>Total</b>	<b>\$ 2,049,745</b>	<b>\$ 520,865</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 2,570,610</b>

### Funding Source Summary

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Fund	\$ 1,906,263	\$ 484,404					
Navy Share	\$ 143,482	\$ 36,461					
<b>Total</b>	<b>\$ 2,049,745</b>	<b>\$ 520,865</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 2,570,610</b>

Carry Forward \_\_\_\_\_

**CITY OF KEY WEST  
CIP PROJECT DETAIL**

Project No: SE1301  
 Project Name: SEWER LIFT STATION VFD  
 Location: LIFT STATIONS A,B,C,D & DS  
 Department: SEWER  
 Account No: 401-3503-535-65-00

Date: 03/28/14  
 Contract: J GEWIN  
 Project Start: 10/01/12  
 Project Complete: 09/30/15  
 Project Estimate: \$ 2,956,192  
 Project Funding to Date: \$ 456,192  
 Anticipate Carry Forward FY: 2015  
 Yes/No: YES

**Project Description/Justification:**

Install a VFD on the City's five biggest sewer lift stations. This project is from the City's Climate Action Plan, previously described as a "symphony" project. Project will prevent wear and tear of pump equipment.

**Reasons for Modification:**

Cost Increased for CPI

**Operating Impact**

Anticipate energy cost savings associated with pumping.

**Related Projects:**

**Project Phase Summary**

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design	206,192						
Construction	250,000	2,300,000					
		200,000					
<b>Total</b>	<b>\$ 456,192</b>	<b>\$ 2,500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 2,956,192</b>

**Funding Source Summary**

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Fund	\$ 424,259	\$ 1,053,305					
Navy Share	\$ 31,933	\$ 79,281					
		\$ 1,367,414					
<b>Total</b>	<b>\$ 456,192</b>	<b>\$ 2,500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 2,956,192</b>

Carry Forward \_\_\_\_\_

**CITY OF KEY WEST  
CIP PROJECT DETAIL**

**Project No:** SE1302  
**Project Name:** FORCE MAIN - OS B GRFEENE TO FRONT  
**Location:** GREENE ST/FRONT STREET  
**Department:** SEWER  
**Account No:** 401-3503-535-65-00

**Date:** 03/28/14  
**Contract:** J GEWIN  
**Project Start:** 10/01/15  
**Project Complete:** 09/30/16  
**Project Estimate:** \$ 485,000  
**Project Funding to Date:** \$ 230,000  
**Anticipate Carry Forward FY:** 2015  
**Yes/No:** YES

**Project Description/Justification:**

This project would replace the sewer force main between Pump Station B running up Greene St. to Front St.

**Reasons for Modification:**

**Operating Impact**

**Related Projects:**

**Project Phase Summary**

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Construction	230,000		\$ 255,000				
<b>Total</b>	\$ 230,000	\$ 0	\$ 255,000	\$ 0	\$ 0	\$ 0	\$ 485,000

**Funding Source Summary**

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Fund	\$ 213,900		\$ 237,150				
Navy Fund	\$ 16,100		\$ 17,850				
<b>Total</b>	\$ 230,000	\$ 0	\$ 255,000	\$ 0	\$ 0	\$ 0	\$ 485,000

**Carry Forward** \_\_\_\_\_

**CITY OF KEY WEST  
CIP PROJECT DETAIL**

Project No: SE1401  
 Project Name: CONCRETE REPAIR AT WWTP  
 Location: WWTP  
 Department: SEWER  
 Account No: 401-3503-535-65-00

Date: 03/28/14  
 Contract: J GEWIN  
 Project Start: 07/01/13  
 Project Complete: 09/30/14  
 Project Estimate: \$ 1,500,000  
 Project Funding to Date: \_\_\_\_\_  
 Anticipate Carry Forward FY: 2015  
 Yes/No: YES

**Project Description/Justification:**

There are several areas of failing concrete at the WWTP. These include an area near the clarifiers, the utilidor, and the lower floor of the solids building. We are currently having them analyzed.

**Reasons for Modification:**

**Operating Impact**

**Related Projects:**

**Project Phase Summary**

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design	151,988						
Construction	1,348,012						
<b>Total</b>	<b>\$ 1,500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,500,000</b>

**Funding Source Summary**

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Fund	\$ 117,031						
Navy Share	\$ 34,957						
State Grant		\$ 1,348,012					
<b>Total</b>	<b>\$ 151,988</b>	<b>\$ 1,348,012</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,500,000</b>

**Carry Forward** \$ 1,348,012

**CITY OF KEY WEST  
CIP PROJECT DETAIL**

Project No: SE1402  
 Project Name: ROOF REPAIR AT WWTP  
 Location: WWTP  
 Department: SEWER  
 Account No: 401-3503-535-65-00

Date: 03/28/14  
 Contract: J GEWIN  
 Project Start: 10/01/13  
 Project Complete: 09/30/14  
 Project Estimate: \$ 390,000  
 Project Funding to Date: \$ 390,000  
 Anticipate Carry Forward FY: 2015  
 Yes/No: YES

**Project Description/Justification:**

The WWTP has a section of roof in the Operations Building that is leaking. This section was not repaired in the larger roof project after Hurricane Wilma.

**Reasons for Modification:**

**Operating Impact**

**Related Projects:**

**Project Phase Summary**

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design	66,190						
Construction	303,810						
Construction Mgt	20,000						
<b>Total</b>	<b>\$ 390,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 390,000</b>

**Funding Source Summary**

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Funds	\$ 390,000						
<b>Total</b>	<b>\$ 390,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 390,000</b>

**Carry Forward** \$ 323,810

# CITY OF KEY WEST CIP PROJECT DETAIL

**Project No:** SE 1403  
**Project Name:** SSOLAR IMPROVEMENTS AT WWTP  
**Location:** WWTP  
**Department:** SEWER  
**Account No:** 401-3503-535-65-00

**Date:** 03/28/14  
**Contract:** J GEWIN  
**Project Start:** 07/01/13  
**Project Complete:** 09/30/15  
**Project Estimate:** \$ 842,000  
**Project Funding to Date:** \$ 25,000  
**Anticipate Carry Forward FY:** 2015  
**Yes/No:** YES

## Project Description/Justification:

The WWTP uses about \$630,000 in electricity annually. We are seeking the design and installation of a new solar system to help power the facility.

## Reasons for Modification:

## Operating Impact

## Related Projects:

### Project Phase Summary

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design	25,000	75,000					
Construction			\$ 742,000				
<b>Total</b>	<b>\$ 25,000</b>	<b>\$ 75,000</b>	<b>\$ 742,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 842,000</b>

### Funding Source Summary

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Funds	\$ 19,250	\$ 57,750	\$ 571,340				
Navy Share	\$ 5,750	\$ 17,250	\$ 170,660				
<b>Total</b>	<b>\$ 25,000</b>	<b>\$ 75,000</b>	<b>\$ 742,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 842,000</b>

Carry Forward \_\_\_\_\_

**CITY OF KEY WEST  
CIP PROJECT DETAIL**

**Project No:** TBA  
**Project Name:** PUMP STATION FENCE REPLACEMENT  
**Location:** MISC PUMP STATIONS  
**Department:** SEWER  
**Account No:** 401-3503-535-65-00

**Date:** 05/01/14  
**Contract:** J GEWIN  
**Project Start:** 10/01/14  
**Project Complete:** 09/30/15  
**Project Estimate:** \$ 340,000  
**Project Funding to Date:** \_\_\_\_\_  
**Anticipate Carry Forward FY:** 2015  
**Yes/No:** NO

**Project Description/Justification:**

Many sewer lift stations in the City have older chain link fencing surrounding the sites. We are seeking to improve the appearance of our lift station sites by upgrading to the fencing to the black aluminum material that is common place in all our newer projects.

**Reasons for Modification:**

**Operating Impact**

**Related Projects:**

**Project Phase Summary**

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design							
Construction		340,000					
<b>Total</b>	\$ 0	\$ 340,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 340,000

**Funding Source Summary**

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Funds		\$ 316,200					
Navy Share		\$ 23,800					
<b>Total</b>	\$ 0	\$ 340,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 340,000

**Carry Forward** \_\_\_\_\_



# CITY OF KEY WEST CIP PROJECT DETAIL

**Project No:** TBA  
**Project Name:** MALLORY SQUARE SEWER IMPROVEMENTS  
**Location:** MALLORY SQUARE  
**Department:** SEWER  
**Account No:** 401-3503-535.65-00

**Date:** 06/09/14  
**Contract:** J GEWIN  
**Project Start:** 10/01/14  
**Project Complete:** 09/30/15  
**Project Estimate:** \$ 400,000  
**Project Funding to Date:** \$ 0  
**Anticipate Carry Forward FY:** 2015  
**Yes/No:** NO

## Project Description/Justification:

The Mallory Square sewer collection system is undersized and the City has had several incidents where sewer flow has exceeded capacity. Therefore seek to upsize the system and increase the size of the lift station at this busy tourist area.

## Reasons for Modification:

## Operating Impact

## Related Projects:

## Project Phase Summary

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design		75,000					
Construction		325,000					
<b>Total</b>	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

## Funding Source Summary

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Fund		\$ 372,000					
Navy Share		\$ 28,000					
<b>Total</b>	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

Carry Forward \_\_\_\_\_

# CITY OF KEY WEST CIP PROJECT DETAIL

**Project No:** TBA  
**Project Name:** IN LINE NITROGEN & PHOSPHORUS MONITC  
**Location:** WWTP  
**Department:** SEWER  
**Account No:** 401-3503-535.65-00

**Date:** 06/09/14  
**Contract:** J GEWIN  
**Project Start:** 10/01/14  
**Project Complete:** 09/30/15  
**Project Estimate:** \$ 250,000  
**Project Funding to Date:** \$ 0  
**Anticipate Carry Forward FY:** 2015  
**Yes/No:** NO

## Project Description/Justification:

This equipment would improve the City's ability to monitor the nitrogen & phosphorus levels at the WWTP. Nitrogen levels, while acceptable, were something that our operations analysis during the FDEP permitting process identified for improvement. The City's phosphorus monitoring equipment was quite antiquated & hasn't been able to be used for some time.

## Reasons for Modification:

## Operating Impact

## Related Projects:

### Project Phase Summary

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design							
Construction		25,000					
<b>Total</b>	\$ 0	\$ 25,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 25,000

### Funding Source Summary

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Fund		\$ 192,500					
Navy Share		\$ 57,500					
<b>Total</b>	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 250,000

Carry Forward \_\_\_\_\_

# CITY OF KEY WEST CIP PROJECT DETAIL

**Project No:** TBA  
**Project Name:** LIFT STATION CONCRETE & EQUIPMENT RE  
**Location:** VARIOUS LIFT STATION  
**Department:** SEWER  
**Account No:** 401-3503-535.65-00

**Date:** 06/09/14  
**Contract:** J GEWIN  
**Project Start:** 10/01/14  
**Project Complete:** 09/30/16  
**Project Estimate:** \$ 1,150,000  
**Project Funding to Date:** \$ 0  
**Anticipate Carry Forward FY:** 2015  
**Yes/No:** NO

## Project Description/Justification:

The wells at many of the sewer lift stations around the City are in need of analysis for possible repair. Additionally, there are other equipment issues at the lift stations that should be addressed. This project will analyze conditions, and propose improvement for each locale.

## Reasons for Modification:

## Operating Impact

## Related Projects:

### Project Phase Summary

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design		150,000					
Construction			\$ 1,000,000				
<b>Total</b>	\$ 0	\$ 150,000	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 1,150,000

### Funding Source Summary

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Fund		\$ 139,500	\$ 930,000				
Navy Share		\$ 10,500	\$ 70,000				
<b>Total</b>	\$ 0	\$ 150,000	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 1,150,000

Carry Forward \_\_\_\_\_

# CITY OF KEY WEST CIP PROJECT DETAIL

**Project No:** TBA  
**Project Name:** TRUMAN WATERFRONT SEWER SYSTEM  
**Location:** TRUMAN WATERFRONT  
**Department:** SEWER  
**Account No:** 401-3503-535.65-00

**Date:** 06/09/14  
**Contract:** J GEWIN  
**Project Start:** 10/01/14  
**Project Complete:** 09/30/16  
**Project Estimate:** \$ 2,000,000  
**Project Funding to Date:** \$ 0  
**Anticipate Carry Forward FY:** 2015  
**Yes/No:** NO

## Project Description/Justification:

The Truman Waterfront sewer system needs to be completely re-built prior to the construction of any new development on site. This includes sewer lift stations and a new collection system.

## Reasons for Modification:

## Operating Impact

## Related Projects:

### Project Phase Summary

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design		200,000					
Construction		800,000	\$ 1,000,000				
<b>Total</b>	\$ 0	\$ 1,000,000	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 2,000,000

### Funding Source Summary

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Fund		\$ 930,000	\$ 930,000				
Navy Share		\$ 70,000	\$ 70,000				
<b>Total</b>	\$ 0	\$ 1,000,000	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 2,000,000

Carry Forward \_\_\_\_\_

# CITY OF KEY WEST CIP PROJECT DETAIL

**Project No:** TBA  
**Project Name:** 2 FORCE MAIN REPAIRS AT BRIDGE CROSSI  
**Location:** WWTP  
**Department:** SEWER  
**Account No:** 401-3503-535.65-00

**Date:** 06/09/14  
**Contract:** J GEWIN  
**Project Start:** 10/01/14  
**Project Complete:** 09/30/15  
**Project Estimate:** \$ 400,000  
**Project Funding to Date:** \$ 0  
**Anticipate Carry Forward FY:** 2015  
**Yes/No:** NO

## Project Description/Justification:

The Truman Waterfront sewer system needs to be completely re-built prior to the construction of any new development on site. This includes sewer lift stations and a new collection system.

## Reasons for Modification:

## Operating Impact

## Related Projects:

## Project Phase Summary

Phase	Committed To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Design		20,000					
Construction		380,000					
<b>Total</b>	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

## Funding Source Summary

Phase	Funded To Date	FY 14/15	FY15/16	FY16/17	FY 17/18	FY 18/19	
Sewer Fund		\$ 308,000					
Navy Share		\$ 92,000					
<b>Total</b>	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

Carry Forward \_\_\_\_\_